Title (en)
INFORMATION PROCESSING DEVICE, AND BUBBLE PACKET TRANSMISSION METHOD AND PROGRAM

Title (de)
INFORMATIONSVERARBEITUNGSGERÄT, BUBBLE-PACKET-ÜBERTRAGUNGSVERFAHREN SOWIE PROGRAMM

Title (fr)
DISPOSITIF DE TRAITEMENT DES INFORMATIONS, ET PROCÉDÉ ET PROGRAMME DE TRANSMISSION D'UN PAQUET DE BULLE

Publication
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Application
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Abstract (en)
The present invention is first information-processing device at a communication source, equipped with span of packet life setting part and bubble packet transmitter. Span of packet life setting part sets a span of packet life in a range where a bubble packet transmitted for leaving a transmission history in a NAT at the communication source so that a packet transmitted from the information-processing device at the communication destination, does not reach the information-processing device at the communication destination. Meanwhile, bubble packet transmitter transmits a bubble packet having the span of packet life set by span of packet life setting part through the NAT at the communication source. With such a configuration, the present invention provides an information-processing device that appropriately establishes communications through a NAT with high-level security.

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Cited by
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